

# **ENVIRONMENTAL PROTECTION PAPER SLIPPERS**

## **BACKGROUND OF THE INVENTION**

### **(a) Field of the Invention**

5     The present invention relates to environmental protection paper slippers, and more particularly to the paper slippers that facilitate recycling, and are thus in accord with environmental protection, and moreover, the paper slippers are provided with effectiveness for comfortable wearing, and thereby achieve objective of saving on  
10    manufacturing costs.

### **(b) Description of the Prior Art**

Present economic development has accordingly heightened demands for increased personal hygiene and health care, and in order to conform to such demands for hygiene, traditional model of recycling, cleaning  
15    and sterilization of many products before being reused has been abandoned, and a course whereby the product is disposed of after usage and not recycled is implemented instead. Hence, in accordance with such demands, manufacturers have developed many correlated disposable products, for instance, paper underwear and underpants for  
20    use when traveling, and paper slippers are one item among the many

disposable products. Traditional slippers are provided with a tread defined on a sole of the slippers, and, according to physics, enhances friction, which more simply describes a fact that the tread provides an antislip effect. However, the tread defined on the sole of traditional  
5 slippers cannot be found on the paper slippers, which are constructed to include the sole 1a and a vamp 2a (see FIG. 7). Although the paper slippers are convenient and hygienic, and are disposed of after usage, however, no antislip tread is defined on the soles of the paper slippers, and thus hidden dangers lurk for a person wearing the paper slippers.

10 When persons are staying in a hotel, the persons traveling together will very likely visit room of each other, and the persons will wear the paper slippers to walk about in. However, if the person wearing the paper slippers runs, the person will likely have had experience of the paper slippers falling off after a few steps, resulting in the person having  
15 to turn back to pick up the paper slippers that have fallen off and slip them back on to the feet again. Such cannot be said to be a major problem, more direful is when wearing the paper slippers inside a bathroom, and because water normally lies on floor of the bathroom, regardless of whether the water splashed onto the floor when washing  
20 the face in a washbasin or when taking a bath in a bathtub, such a

situation of water lying on the floor of the bathroom foreshadows danger.

Upon the person wearing the paper slippers not defined with the  
antislip tread steps onto the floor containing a residual of water, there is  
a high probability that the person will misstep, resulting in either a minor  
5 accident of the person falling over and spraining the back, and more  
seriously could result in the person bumping the head or even  
occurrence of a fatal accident. Hence, aforesaid describes an extremely  
serious problem with conventional paper slippers.

Referring to FIG. 8, which shows the conventional paper slipper  
10 constructed by employing press joining of structural members including  
the vamp 2a, a slipper top 3a, a slipper interlayer 4a, and the sole 1a.  
Hence, during course of manufacture, firstly, glue must be separately  
smeared on the slipper top 3a, the slipper interlayer 4a, and the sole 1a  
respectively, which are thereupon press jointed together. Furthermore,  
15 in order to prevent front and rear edges of the vamp 2a from cutting the  
instep when wearing the paper slippers, a coil edge 21a must be  
configured on the front and rear edges of the vamp 2a. However,  
fabricating the coil edge 21a requires additional multi-layered, complex  
processing. According to aforementioned structure, because of the  
20 comparatively many structural members of the conventional paper

slippers and elaborate manufacturing process, a large increase in production costs results thereof, and thus selling the paper slippers at a popular price is difficult, which thereby runs counter to characteristic of the paper slippers being recycled after usage.

## 5 SUMMARY OF THE INVENTION

In light of the aforementioned shortcomings in structure of conventional paper slippers, the inventor of the present invention, having accumulated many years of personal experience in related art, attentively and circumspectively researched improvement on such  
10 shortcomings before finally designing new environmental protection paper slippers of the present invention.

A primary objective of the present invention is to provide the paper slippers that facilitate recycling, and are thus in accord with environmental protection, and moreover, achieve objective of saving on  
15 manufacturing costs.

In order to achieve the aforementioned objective, the environmental protection paper slippers of the present invention are primarily applicable for usage in hotels, guesthouses, recreation establishments, and so on, whereby the paper slippers facilitate recycling, and are thus  
20 in accord with environmental protection. The paper slipper primarily

comprises a sole and a vamp, the vamp being bonded to the sole, and characterized in that: the sole and the vamp are fabricated from corrugated paper and kraft. Two ends of the vamp are bonded to a top surface or a bottom surface of the sole, and an anti-cut structure is  
5 defined on a front and rear edge of the vamp, and frictional wales are further defined on the top surface and the bottom surface of the sole.

According to aforementioned structure, the environmental protection paper slippers of the present invention facilitate recycling, and are thus in accord with environmental protection, and moreover, the paper  
10 slippers are provided with effectiveness for comfortable wearing, and thereby achieve objective of saving on manufacturing costs.

To enable a further understanding of the said objectives and the technological methods of the invention herein, the brief description of the drawings below is followed by the detailed description of the  
15 preferred embodiments.

## **BRIEF DESCRIPTION OF THE DRAWINGS**

FIG. 1 shows an exploded elevational view according to the present invention.

FIG. 2 shows an assembled elevational view according to the present  
20 invention.

FIG. 3 shows a bottom view according to the present invention.

FIG. 4 shows an elevational view of another embodiment according to the present invention.

FIG. 5 shows a bottom view of another embodiment according to the present invention.

FIG. 6 shows a partial cross sectional view according to the present invention.

FIG. 7 shows an elevational view of a conventional paper slipper.

FIG. 8 shows an exploded elevational view of the conventional paper slipper.

## **DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS**

Referring to FIGS. 1, 2, 3, 4, 5, and 6, which show an environmental protection paper slipper of the present invention primarily constructed to comprise a sole 1, and a vamp 2 that bestrides the instep, and which is characterized in that:

The sole 1 and the vamp 2 are fabricated from corrugated paper and kraft. Two ends of the vamp 2 are bonded to a top surface or a bottom surface of the sole 1, and an anti-cut structure 20 is defined on a front and rear edge of the vamp 2, whereby the anti-cut structure assumes a wave form configuration. Frictional wales 11 are further defined on the

top surface and the bottom surface of the sole 1.

According to aforementioned structure, the anti-cut structure 20 is formed in one cut by a full automatic cutting machine, and the frictional wales 11 are molded in one punch from a punch mold, and thereby realizes saving on manufacturing costs. Furthermore, the anti-cut structure 20 is able to adjust and flex to change in curve of the instep of a person when walking, thereby preventing the instep from being subjected to sharp edges of the corrugated paper or the kraft, and thus the instep is averted from being cut therefrom. The environmental protection paper slippers of the present invention thus realize a good protective effect, and provide greater comfort for a wearer of the paper slippers.

In addition, because two ends of the vamp 2 of the present invention are directly bonded to the top surface or the bottom surface of the sole 1, and because the structural members of the present invention only comprise the sole 1 and the vamp 2, accordingly, production costs and selling price is effectively kept to a minimum, thereby the environmental protection paper slippers of the present invention are able to genuinely achieve characteristic of recycling after usage.

Furthermore, because of the frictional wales 11 of the environmental

protection paper slippers of the present invention defined on the top surface of the sole 1, friction between the foot and the paper slippers is thereby increased, thus when wearing and walking about in the paper slippers, the paper slippers will not easily fall off the feet. However, 5 more importantly are the frictional wales 11 defined on the bottom surface of the sole 1, which are able to increase friction between the paper slippers and the floor, and thus, even if the person wearing the paper slippers runs about on a wet and slippery floor, because of the frictional wales 11 the person will not easily trip and fall down, and 10 thereby guarantees safety of the wearer. Moreover, the frictional wales 11 of the top surface and the bottom surface of the sole 1 are molded in one punch by means of a mold, therefore, similarly is able to effectively reduce production costs.

In conclusion, the environmental protection paper slippers of the 15 present invention assuredly achieves effectiveness of preventing the wearer from tripping and falling down when wearing the paper slippers, and provides for comfortable wearing thereof, as well as effectively reducing the production costs, and thus the selling price is kept to a minimum. Furthermore, the environmental protection paper slippers of 20 the present invention are provided with practicability and advancement,

accordingly, the inventor proposes a patent application herein.

It is of course to be understood that the embodiments described herein is merely illustrative of the principles of the invention and that a wide variety of modifications thereto may be effected by persons skilled  
5 in the art without departing from the spirit and scope of the invention as set forth in the following claims.